

**WHAT IS CLAIMED IS:**

1. A safety shield apparatus comprising:  
a needle shield having a planar contact surface;  
5 a pad having a first surface mountable to the planar contact surface and a second surface configured for engagement with a body surface.
2. The safety shield apparatus according to claim 1 wherein said pad is made from a foam material.
- 10 3. The safety shield apparatus according to claim 1 wherein said pad is made from a felted material.
4. The safety shield apparatus according to claim 1 wherein said pad is made from a  
15 breathable material.
5. The safety shield apparatus according to claim 1 wherein said pad is made from a material configured for wicking moisture.
- 20 6. The safety shield apparatus according to claim 1 wherein said pad is impregnated with an antimicrobial agent.
7. The safety shield apparatus according to claim 1 wherein at least one of said surfaces includes a thin film coating disposed thereon.
- 25 8. The safety shield apparatus according to claim 7 wherein said thin film coating is perforated.

9. The safety shield apparatus according to claim 1 wherein said pad comprises:  
a planar shape having a thickness defining a peripheral surface connecting said first and second surfaces; and  
a slit extending from said peripheral surface to about a center of said pad.

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10. The safety shield apparatus according to claim 9 wherein said pad further comprises a notch leading from said peripheral surface into said slit.

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11. The safety shield apparatus according to claim 9 wherein said planar shape comprises a disk.

12. The safety shield apparatus according to claim 9 further comprising a needle operatively disposed with said needle shield wherein said pad is retained to said needle safety device by a friction fit between said pad and said needle.

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13. The safety shield apparatus according to claim 12 wherein said friction fit is provided between said slit and said needle.

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14. The safety shield apparatus according to claim 1 wherein said pad is permanently attached to said planar contact surface.

15. The safety shield apparatus according to claim 1 wherein said pad further includes at least one through-hole.

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16. The safety shield apparatus according to claim 1 further comprising means for attachment of said pad to a safety shield apparatus.

17. The safety shield apparatus according to claim 1 wherein said needle shield comprises a Huber safety needle shield.

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18. A safety shield apparatus comprising:  
a needle having a distal portion and a proximal portion;  
an extensible needle shield having a distal end planar contact surface and a proximal end  
attached to said proximal portion of said needle; and  
5 a pad adapted for spacing between said planar contact surface and a subject's skin;  
said pad including  
a first surface adapted for disposal against said planar contact surface;  
a second surface adapted to for disposal against said subject's skin;  
a planar shape having a thickness defining a peripheral surface connecting said  
10 first and second surfaces; and  
a slit extending from said peripheral surface to about a center of said pad;  
wherein said pad is retained to said safety shield apparatus by a friction fit between said  
pad and said needle.

19. The safety shield apparatus according to claim 18 wherein said pad further comprises:  
a notch leading from said peripheral surface into said slit; and  
at least one through hole providing fluid communication between said first and second  
surfaces.

20. A safety shield apparatus comprising:  
a needle having a distal portion and a proximal portion;  
an extensible needle shield having a distal end planar contact surface and a proximal end  
and attached to said proximal portion of said needle; and  
a pad adapted for spacing between a planar contact surface of a safety needle device and  
25 a subject's skin,  
wherein said pad comprises:  
a first surface adapted for disposal against said planar contact surface;  
a second surface adapted to for disposal against said subject's skin;  
a planar shape having a thickness defining a peripheral surface connecting said  
30 first and second surfaces; and  
wherein said pad is permanently attached to said needle safety device.